

Vladimir V Bazhanov

List of Publications by Year in descending order

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73
papers

3,767
citations

159358

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123241

61
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73
all docs

73
docs citations

73
times ranked

567
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The hidden symmetry of the asymmetric quantum Rabi model. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 12LT01. | 0.7 | 19 |
| 2 | Equilibrium density matrices for the 2D black hole sigma models from an integrable spin chain. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 5 |
| 3 | Scaling limit of the Z -invariant inhomogeneous six-vertex model. Nuclear Physics B, 2021, 965, 115337. | 0.9 | 13 |
| 4 | On the scaling behaviour of the alternating spin chain. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 16 |
| 5 | Yang-Baxter maps, discrete integrable equations and quantum groups. Nuclear Physics B, 2018, 926, 509-543. | 0.9 | 17 |
| 6 | Quantum transfer-matrices for the sausage model. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 16 |
| 7 | Bukhvestov-Lipatov model and quantum-classical duality. Nuclear Physics B, 2018, 927, 468-515. | 0.9 | 5 |
| 8 | On the Yang-Baxter Poisson algebra in non-ultralocal integrable systems. Nuclear Physics B, 2018, 934, 529-556. | 0.9 | 9 |
| 9 | Exactly solved models and beyond: a special issue in honour of R J Baxter's 75th birthday. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 010301. | 0.7 | 0 |
| 10 | Call for papers: special issue on fifty years of the Toda lattice. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 310201. | 0.7 | 2 |
| 11 | Quasi-classical expansion of the star-triangle relation and integrable systems on quad-graphs. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 464001. | 0.7 | 22 |
| 12 | Vacuum energy of the Bukhvestov-Lipatov model. Nuclear Physics B, 2016, 911, 863-889. | 0.9 | 5 |
| 13 | Integrable structure of Quantum Field Theory: classical flat connections versus quantum stationary states. Journal of High Energy Physics, 2014, 2014, 1. | 1.6 | 24 |
| 14 | Winding vacuum energies in a deformed $O(4)$ ETQ0 0 0 rgBT /Overlock 10 Tf 50 207 Td (stretchy="false") | 0.9 | 13 |
| 15 | From Fuchsian differential equations to integrable QFT. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 462002. | 0.7 | 2 |
| 16 | An elliptic parameterisation of the Zamolodchikov model. Nuclear Physics B, 2013, 871, 127-144. | 0.9 | 3 |
| 17 | Comment on star-star relations in statistical mechanics and elliptic gamma-function identities. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 152001. | 0.7 | 13 |
| 18 | An integrable 3D lattice model with positive Boltzmann weights. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 465206. | 0.7 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Elliptic gamma-function and multi-spin solutions of the Yang-Baxter equation. Nuclear Physics B, 2012, 856, 475-496. | 0.9 | 40 |
| 20 | A master solution of the quantum Yang-Baxter equation and classical discrete integrable equations. Advances in Theoretical and Mathematical Physics, 2012, 16, 65-95. | 0.4 | 45 |
| 21 | Baxter Q-operators and representations of Yangians. Nuclear Physics B, 2011, 850, 148-174. | 0.9 | 65 |
| 22 | QUANTUM GEOMETRY OF 3-DIMENSIONAL LATTICES AND TETRAHEDRON EQUATION. , 2010, , . | | 6 |
| 23 | Scaling and universality in the two-dimensional Ising model with a magnetic field. Physical Review E, 2010, 81, 060103. | 0.8 | 12 |
| 24 | A shortcut to the Q -operator. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P11002. | 0.9 | 77 |
| 25 | The eight-vertex model and Painlevé VI equation II: eigenvector results. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 085206. | 0.7 | 19 |
| 26 | Variational approach to the scaling function of the 2D Ising model in a magnetic field. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 042005. | 0.7 | 11 |
| 27 | Exact solution of the Faddeev-Volkov model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 1547-1550. | 0.9 | 34 |
| 28 | Quantum geometry of three-dimensional lattices. Journal of Statistical Mechanics: Theory and Experiment, 2008, 2008, P07004. | 0.9 | 37 |
| 29 | Baxter's Q-operators for supersymmetric spin chains. Nuclear Physics B, 2008, 805, 451-516. | 0.9 | 70 |
| 30 | Analytic theory of the eight-vertex model. Nuclear Physics B, 2007, 775, 225-282. | 0.9 | 25 |
| 31 | Faddeev-Volkov solution of the Yang-Baxter equation and discrete conformal symmetry. Nuclear Physics B, 2007, 784, 234-258. | 0.9 | 64 |
| 32 | Zamolodchikov's tetrahedron equation and hidden structure of quantum groups. Journal of Physics A, 2006, 39, 3295-3310. | 1.6 | 74 |
| 33 | The eight-vertex model and Painlevé VI. Journal of Physics A, 2006, 39, 12235-12243. | 1.6 | 35 |
| 34 | Eight-vertex model and non-stationary Lamé equation. Journal of Physics A, 2005, 38, L145-L153. | 1.6 | 37 |
| 35 | Analytical results for the Coqblin-Schrieffer model with generalized magnetic fields. Physical Review B, 2003, 68, . | 1.1 | 20 |
| 36 | Integrable structure of Conformal Field Theory, Quantum Boussinesq Theory and Boundary Affine Toda Theory. Nuclear Physics B, 2002, 622, 475-547. | 0.9 | 117 |

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|----|--|-----|-----------|
| 37 | Excited state TBA for the $\hat{t}_{2,1}$ perturbed model. Nuclear Physics B, 2002, 647, 404-432. | 0.9 | 6 |
| 38 | Spectral Determinants for Schrödinger Equation and Q-Operators of Conformal Field Theory. Journal of Statistical Physics, 2001, 102, 567-576. | 0.5 | 134 |
| 39 | Integrable Structure of Conformal Field Theory III. The Yang-Baxter Relation. Communications in Mathematical Physics, 1999, 200, 297-324. | 1.0 | 245 |
| 40 | On non-equilibrium states in QFT model with boundary interaction. Nuclear Physics B, 1999, 549, 529-545. | 0.9 | 37 |
| 41 | Thermodynamic Bethe ansatz for the subleading magnetic perturbation of the tricritical Ising model. Nuclear Physics B, 1998, 512, 563-580. | 0.9 | 9 |
| 42 | Quantum field theories in finite volume: Excited state energies. Nuclear Physics B, 1997, 489, 487-531. | 0.9 | 164 |
| 43 | Integrable Structure of Conformal Field Theory II. Q-operator and DDV equation. Communications in Mathematical Physics, 1997, 190, 247-278. | 1.0 | 330 |
| 44 | Integrable structure of conformal field theory, quantum KdV theory and Thermodynamic Bethe Ansatz. Communications in Mathematical Physics, 1996, 177, 381-398. | 1.0 | 373 |
| 45 | Numerical results for the three-state critical Potts model on finite rectangular lattices. Journal of Statistical Physics, 1995, 78, 665-680. | 0.5 | 1 |
| 46 | Remarks on the quantum dilogarithm. Journal of Physics A, 1995, 28, 2217-2226. | 1.6 | 32 |
| 47 | Lattice Ising model in a field: E8 scattering theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 322, 198-206. | 1.5 | 38 |
| 48 | Partition function of a three-dimensional solvable model. Physica A: Statistical Mechanics and Its Applications, 1993, 194, 390-396. | 1.2 | 4 |
| 49 | Star-triangle relation for a three-dimensional model. Journal of Statistical Physics, 1993, 71, 839-864. | 0.5 | 60 |
| 50 | INVERSION AND SYMMETRY RELATIONS FOR A THREE-DIMENSIONAL SOLVABLE MODEL. International Journal of Modern Physics B, 1993, 07, 3501-3515. | 1.0 | 6 |
| 51 | New solvable lattice models in three dimensions. Journal of Statistical Physics, 1992, 69, 453-485. | 0.5 | 116 |
| 52 | Cyclic L-operator related with a 3-state R-matrix. Communications in Mathematical Physics, 1991, 136, 607-623. | 1.0 | 18 |
| 53 | $(Z_N - 1)^{-1}$ generalization of the chiral Potts model. Communications in Mathematical Physics, 1991, 138, 393-408. | 1.0 | 87 |
| 54 | Chiral Potts model as a descendant of the six-vertex model. Journal of Statistical Physics, 1990, 59, 799-817. | 0.5 | 228 |

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|----|---|-----|-----------|
| 55 | FUNCTIONAL RELATIONS FOR TRANSFER MATRICES OF THE CHIRAL POTTS MODEL. International Journal of Modern Physics B, 1990, 04, 803-870. | 1.0 | 116 |
| 56 | Restricted solid-on-solid models connected with simply laced algebras and conformal field theory. Journal of Physics A, 1990, 23, 1477-1492. | 1.6 | 152 |
| 57 | CRITICAL RSOS MODELS AND CONFORMAL FIELD THEORY. International Journal of Modern Physics A, 1989, 04, 115-142. | 0.5 | 170 |
| 58 | Integrable quantum systems and classical Lie algebras. Communications in Mathematical Physics, 1987, 113, 471-503. | 1.0 | 95 |
| 59 | Quantum R matrices and matrix generalizations of trigonometric functions. Theoretical and Mathematical Physics(Russian Federation), 1987, 73, 1035-1039. | 0.3 | 0 |
| 60 | Hidden symmetry of free fermion model. III. Inversion relations. Theoretical and Mathematical Physics(Russian Federation), 1985, 63, 604-611. | 0.3 | 17 |
| 61 | Hidden symmetry of free fermion model. II. Partition function. Theoretical and Mathematical Physics(Russian Federation), 1985, 63, 519-527. | 0.3 | 16 |
| 62 | Hidden symmetry of free Fermion model. Theoretical and Mathematical Physics(Russian Federation), 1985, 62, 253-260. | 0.3 | 63 |
| 63 | Trigonometric solutions of triangle equations and classical lie algebras. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 159, 321-324. | 1.5 | 144 |
| 64 | Free fermions on a three-dimensional lattice and tetrahedron equations. Nuclear Physics B, 1984, 230, 435-454. | 0.9 | 30 |
| 65 | Trigonometric and S_n symmetric solutions of triangle equations with variables on the faces. Nuclear Physics B, 1982, 205, 505-526. | 0.9 | 18 |
| 66 | Conditions of commutativity of transfer matrices on a multidimensional lattice. Theoretical and Mathematical Physics(Russian Federation), 1982, 52, 685-691. | 0.3 | 50 |
| 67 | A new class of factorized S-matrices and triangle equations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1981, 105, 278-280. | 1.5 | 8 |
| 68 | Equations for path mean values in non-Abelian gauge theory. Theoretical and Mathematical Physics(Russian Federation), 1981, 49, 1049-1057. | 0.3 | 0 |
| 69 | Low-frequency photons in processes involving particles with spin. Theoretical and Mathematical Physics(Russian Federation), 1979, 39, 285-293. | 0.3 | 2 |
| 70 | Electron-monopole scattering through small angles in the quantum theory of the Dirac-Schwinger monopole. Theoretical and Mathematical Physics(Russian Federation), 1979, 40, 795-800. | 0.3 | 2 |
| 71 | Small-angle scattering in quantum electrodynamics. Theoretical and Mathematical Physics(Russian Federation), 1979, 40, 795-800. | 0.3 | 9 |
| 72 | Investigation of the stability of an interaction by the renormalization group method. Theoretical and Mathematical Physics(Russian Federation), 1975, 24, 633-636. | 0.3 | 0 |

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|----|---|----|-----------|
| 73 | Chiral Potts model and the discrete Sine-Gordon model at roots of unity. , 0, , . | | 3 |